The Tech

VOL. XXIV. No. 32. BOSTON, MASS., FRIDAY, DECEMBER 9, 1904. PRICE THREE CENTS.

MEMORIAL CONVOCATION.

Technology Honors the Memory of William Barton Rogers.

Fitting tribute to the memory of her founder and first president were the exercises held at the Institute Wednesday, in observance of the centennial anniversary of the birth of William Barton Rogers. Although limited to the members of the Faculty and the student body, together with a few invited guests, the audience taxed the capacity of Huntington Hall to the utmost.

President Pritchett in a brief opening address outlined the original plans of Dr. Rogers for the conducting of Institute affairs, laying particular stress upon the fact that, in essential features, those plans are in use to-day, lasting memorials to the remarkable foresight and judgment of the man who conceived them.

Following the introductory address Dr. Pritchett introduced Pres. Lyon G. Tyler of William and Mary College, where President Rogers received his early training. President Tyler gave a brief review of the early life of Dr. Rogers, mentioning in particular three features of the system employed at William and Mary College which influenced Dr. Rogers in shaping the methods to be used at the Institute: namely, the lecture system, replacing the exclusive use of the text-book; the elective system, enabling the student to concentrate his efforts upon those subjects bearing directly upon his chosen profession, and the honor system, doing away with petty rules and regulations.

At the close of the foregoing address President Pritchett announced the establishment by the Executive Committee of the Corporation of an annual scholarship of $300, to be known as the William Barton Rogers Scholarship. The awarding of this scholarship is to rest with the Faculty of William and Mary College.

The following speaker then introduced was Prof. F. H. Smith of the University of Virginia, where Dr. Rogers held the chair of Natural Philosophy. He brought out strongly the remarkable ability as a teacher and the sterling character of the Institute's Founder, describing him as a man who "preferred the future respect of his fellows to their present applause."

Professor R. H. Richards, a member of the first class to graduate from the Institute was next introduced and gave the very interesting address upon his personal recollections of President Rogers, which was published in the last number of THE TECH.

Following this address, the President introduced Norman Lombard, '05, who read a part of General Walker's brilliant eulogy, "A Memoir of President Rogers," at the end of which, with a few well chosen words, Dr. Pritchett concluded the exercises.

Technology Catalogue.

The catalogue of the Massachusetts Institute of Technology for the current school year will soon be issued. It contains much valuable information.

The graduate students include 20 graduates of the Naval Academy at Annapolis, sent here by the government to perfect themselves as naval architects. There are also about 20 Harvard graduates, while Johns Hopkins, Princeton, Brown, Yale and Amherst follow next in order.

The students come from nearly every state in the Union, and from China, Porto Rico, India, Turkey, Canada, England, Syria, Brazil, Cuba, Malta, Scotland, Korea, Denmark, Panama, Sweden, Hawaii, Japan and the Philippines.

The instructing staff for the present year includes 220 names, of which 28 are professors, 19 associate professors, 19 assistant professors, 60 instructors. The remainder are lecturers who give courses in special subjects and act as professors' assistants.

There are 3132 graduates, a large proportion of whom are engaged in technical work. Last year's class consisted of 232, and was the largest ever graduated from the institution. This year's class will probably be as large.

A statement from the Graduate Treasurer of Athletics of Harvard University shows an income of $112,262.39 for 1904, a profit of $33,057.51 for the year.

BASKET BALL.

Tech, 17. Boston University, 20.

The Basket Ball team opened the season Wednesday evening, with a game against Boston University, at the Tech Gym. The teams were evenly matched and played a close exciting game, the result of which was in doubt to the end. In the first half, Tech played a snappy game and led by the score of 8 to 6. In the second half, Tech started well but several brilliant plays by Boston University gave them the ball, which they held to the end.

TECH.	B. U.
Blake (Capt.), l.f.	l.f. Taylor
Fredrick, r.f.	r.f. Dillon (Goff)
Burleigh (Moffat), c.	c. Chapman
Coey (Kennedy), l.b.	l.b. Hilton
Wiggin r.b.	r.b. Cole

Score, B. U., 20, Tech, 17. Goals from floor, Blake 4, Burleigh, Fredrick, Kennedy, Taylor 5, Dillon 2, Hilton. Goals on fouls, Blake 3, Dillon 4. Referee, Goggin. Time of halves, 15 minutes.

Tech Second, 21. E. H. S., 5.

The second Basket Ball team opened their season last Wednesday evening, at the Tech Gym, by defeating English High School by the score of 21 to 5. The second team played a steady game, but did not have to exert themselves.

TECH SECOND.	E. H. S.
Barcus l.f.	l.f. Homer (Peterson)
Deavitt (Luther Tetlow)	r.f. r.f. Silverman
Gregory c.	c. Ayer
Lyons (Belcher)	l.b. l.b. Jenning (Mahas)
Goldthwaite r.b.	r.b. Mahas (Darling)

Score, Tech Second, 21, English High School, 5. Goals from floor, Barcus, Gregory 3, Lyons 3, Goldthwaite 2, Ayer 2. Goals on fouls, Gregory 3, Ayer. Referee, Jacobs. Time of halves, 15 minutes.

Wanted.

A student to care for furnace and clear sidewalks of snow in exchange for room. Inquire at Dean's office.

Notice.

Will the man who borrowed the key to the Athletic Field from Major Briggs, please return the same as soon as possible. The key is needed.

Y. M. C. A. Handbooks may be obtained now only at the office, corner Berkeley and Boylston Streets.

END OF POLICE HEARING.

Counsel Hill Asks That Charges be Preferred Against the Men in Charge of Police on the Night of the Attack Upon the Tech Students.

Counsel Hill's argument before the Police Board in behalf of the Institute of Technology, on Wednesday, December 7, covered the actions of practically every police officer who was in any way charged with wrong-doing in the so-called Tech riot. He asked the Commission to order charges preferred against Captain Hall, Lieutenant Walkins, Sergeants Arnold, Egan, Ringer, Taylor, Sheehan, Fitzgerald, Guard and Sanford, with a view to their dismissal or other appropriate punishment for the part they took in the attack upon Tech students at the Rogers Building.

With Mr. Hill's argument the Tech hearing comes to an end, and it is now for Judge Emmons, as head of the Commission, to report in full the details of the hearing to Governor Bates, at whose order the hearing was held. This, Judge Emmons says, will be done early next week.

Society of Arts.

The meeting of the Society of Arts which was held Thursday evening, was well attended. The talk on "Mount Pelee and ths Eruptions of 1902," was well received, as the speaker presented his subject in an interesting manner.

Chemical Society Meeting.

The Chemical Society held a meeting at the Union last night, at which Dr. Mulliken of the Institute gave an interesting talk on "Denaturalized Alcohol in the Arts." Mr. Kneeland also spoke on "Swiss Universities," and gave a very good idea of higher education in Switzerland.

There will be a novice competition with foils held at the B. A. A., Boston, Jan. 7, 1905 at eight o'clock, and gold, silver and bronze medals will be given.

F. W. ALLEN,
Sec'y N. E. Division.

The Tech

Published every Monday, Wednesday and Friday during the college year (from September to June), by students of the Massachusetts Institute of Technology.

Application pending for entry in the Boston Post-office as second-class mail matter.

Editorial Staff.

CHARLES T. BARTLETT, 1906, *Editor-in-Chief*
NORMAN LOMBARD, 1905, *Managing Editor*
WALTER H. TRASK, 1906, *Secretary*
J. DANIELS, 1905 L. T. BUSHNELL, 1905
W. RANNEY, 1906 A. H. DONNEWALD, 1907

News Staff.

R. E. BELL, 1905 W. G. WALDO, 1906.
J. M. BARKER, 1907. R. P. LOWE, 1907.
E. F. WHITNEY, 1907. W. F. DOLKE, 1908.

Business Staff.

DONALD G. ROBBINS, 1907, *Business Manager*
F. A. BENHAM, 1906, *Asst. Business Manager*
M. MCLEOD, 1907, *Asst. Business Manager*

Office: 30 Rogers Building, 491 Boylston Street

HOURS: Editor-in-Chief..... 8:30-9 Daily
Business Manager.....8:30-9 "
8:00-9 "
Managing Editor .... 1:00-2 "
(News Bureau, Rogers Cor.) 4:00-5 "

Contributions are requested from all undergraduates, alumni and officers of instruction. No anonymous manuscript can be accepted.

All communications regarding subscriptions or advertisements, should be addressed to the Business Manager.

Subscription - - $1.50 per year in advance.
Single Copies 3 Cents.

In charge of this issue: C. T. BARTLETT, 1906.

Friday, December 9, 1904.

WILLIAM A. NICHOLS, PRINTER, 208 SUMMER ST., REAR

The total amount of the Income Fund on December 6, was reported to be $180,000. Though this falls short of the quarter of a million which it was hoped to reach on December 7, when one considers that the appeal did not reach the Alumni until November 21, or later, the raising of $60,000 in the fifteen days since that date must be acknowledged to be a notable achievement.

While a special effort has been made to make the amount of the Fund December 7 a fitting tribute to the founder of the Institute, this date, far from being the end, is merely a mile-post in the progress of the Fund.

THE INSTITUTE.

Criticism of December Number.

The current number of the *Institute* is by no means an insipid issue. Whether the various new departures and original ventures of a young periodical seem entirely advisable and successful or not, it is only of favorable augury that as many things as possible "be doing." The danger before a college magazine is that it becomes merely an amusement for a limited editorial board, written in conventional manner by a small number of too regular contributors, and barely supported by a lukewarm body of readers who read simply because the publication is official. The ideal of a college magazine is that it be to undergraduates, graduates and officials the natural medium of discussion, of suggestion, of amusement and of record,— wherein the editor's difficulty is to find the space merited by the different contributions and the interests of the different classes of readers. This ideal the *Institute* in its three issues has made creditable efforts to attain, and has succeeded better, on the whole, even than the hopeful expected.

Of the general articles in the December number that on Harvard has, besides timely interest, a more special appeal to readers of the college community; the paragraphs on *Passing Events*,— rather carefully prepared, it would seem,— are properly subordinated. Of historical material, the accounts of the *Old Cane Rush* and of the last *Field Day* have value as refreshing for the older and contributing to the younger *Institute* readers information about Tech's traditions and not inglorious past. The steadily increasing volume and vigor of the articles of local interest is the best symptom of health in this still immature monthly. It is to be hoped that instructors generally will con-

(Continued on Page 3.)

LOWNEY'S
Chocolate Bonbons.
"Name on Every Piece."
"A Word to the Wise is Sufficient."
RETAIL STORE 416 Washington Street.

"THE GIRLS ARE FOND OF THESE"
Tech Emblems
Greatest Variety
Lowest Prices
BENT & BUSH
15 SCHOOL ST. BOSTON, MASS.

THE WALTHAM WATCH
IS THE BEST
IN THE WORLD
AMERICAN WALTHAM WATCH CO.,
WALTHAM, MASS.

1276 MASS AVE., CAMBRIDGE, MASS., U.S.A.

J. C. LITTLEFIELD,
Tailor and Outfitter,
12 BEACON STREET, BOSTON.
I can offer you a larger and more complete assortment than can be seen elsewhere, and at lower prices for the same qualities. Look in and examine my prices before placing your order. Golf Breeches, Riding Breeches, and Dress Suits a Specialty.
DISCOUNT TO STUDENTS.

W. M. ROWAN
"THE TECH BARBER"
Westminster Hotel . . St. James Ave.
SPECIAL TO STUDENTS
HAIR CUT 25 CENTS SHAVE 15 CENTS

The Tech Pin
Fraternity Pins and Seals
Steins and Medals
FREDERICK T. WIDMER,
Successor to Henry Guild & Son, 28 West St. Boston.

Edwards.
TAILOR,
58 WINTER STREET,
COR. TREMONT.
Boston.

McMORROW
College Shoes for College Men
238 Washington Street, Boston, Mass.
OPPOSITE YOUNG'S HOTEL

STUDENTS OF THE INSTITUTE OF TECHNOLOGY
There is absolutely no Cigarette to compare to the
"MENTOR"
in smoothness, aroma and delicacy. It appeals to the "educated," not to the "hoi polloi." Please give it a trial. Made in three numbers.
No. 1, 20 cts. per box No. 2, 15 cts. per box
Cork Tipped or Plain No. 3, 10 cts. per box

GEORGE W. BROWN

Merchant Tailor

110 TREMONT STREET

Makes up-to-date students' clothes at very reasonable prices

Suits and Overcoats from $35

This is the best time of the ENTIRE YEAR, for you to have your FULL DRESS, Tuxedo, or Double-Breasted Frock Suit made. We make a Specialty of these garments and make Special Prices during the slack season. Then again, we have an extra large assortment at this time, and the Tailors always make their work better when not rushed with work and we are willing to figure a little closer to keep our help busy. Step in and let us show them to you. And oblige

Yours Respectfully,

BURKE & CO.

Tailors

843 Washington Street, Boston

1246 Massachusetts Avenue, Cambridge

That Totally Different Clothing for Men

Made to Order

Ready to Wear

Automobile

SMITH & SMULLEN CO.

16 SUMMER STREET

Near Washington Street

FIRE PROOF

Hotel Lenox

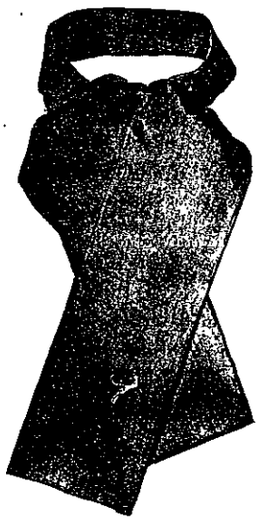
Boylston and Exeter Streets

Back Bay, BOSTON

One of the Finest Modern Fire Proof Hotels in the Country. Two Minutes' Walk from the Back Bay Stations, and One Block from Copley Square

Charles A. Gleason, *Manager*

Send for illustrated booklet



NECKWEAR

From Messrs. Welch, Margetson & Co., London

Also from The Best Paris Houses

Cravats	$1.00 to $7.50
Four-in-Hand Scarfs	.50 to 2.50
English Squares	1.00 to 4.50
Ascots	1.35 to 3.75
De Joinvilles	1.35 to 4.50
Dress Cravats and Bows	.25 to 1.50
Tie Retainers	.10 to 1.25
Linen Handkerchiefs	.25 to 3.75
Hand-Woven Linen Handkerchiefs	.40 to .75
Colored Bordered Linen Handkerchiefs	.35 to 1.50
Silk Handkerchiefs	.50 to 3.00

NOYES BROS. Washington and Summer Streets, Boston, U. S. A.

Copley Square Hotel

Huntington Ave. & Exeter St.

PATRONAGE of "Tech" students solicited in our Cafe and Lunch Room

The attention of Secretaries and Banquet Committees of Dining Clubs, Societies, Lodges, etc., is called to the fact that the Copley Square Hotel has exceptionally good facilities for serving Breakfasts, Luncheons or Dinners and will cater especially to this trade.

Amos H. Whipple, Proprietor

A. H. MATZ & CO.,

Merchant Tailor,

32 HUNTINGTON AVENUE.

Telephone 1336-3 Back Bay.

Contract Pressing by the Month.

Established 1874

DURGIN, PARK & CO.

Market Dining Rooms

30 North Market & 31 Clinton Streets

BOSTON

OPEN FROM 5 A.M. TO 7 P.M.

E. Chickering & Co. Boston

LEADING PHOTOGRAPHERS

21 West Street

SPECIAL RATES TO STUDENTS OF THE INSTITUTE

THE BRUNSWICK

Boylston and Clarendon Sts., BOSTON.

(Adjoining Copley Square)

Conducted on both the American and European Plans.

AMOS BARNES, Proprietor.

HERBERT H. BARNES, Manager.

(Continued from Page 2.)

tribute to the *Institute* such suggestions or appeals as that by Mr. R. H. Smith. The discussion of the Show advocates perhaps a doubtful policy in approving the general appeal to a wider outside public made by the later librettos, at the price of subordinating or even abandoning the old, purely local fun. Undoubtedly, as suggested, the music and dance of light opera, with few or no serious acting parts, are the most effective material; but these do not preclude an indefinite amount of local appropriateness in plot, character, dialogue and songs. Nothing can serve larger purposes effectively that does not first fulfill with complete adequacy its own purely local and limited purpose. The longer editorial paragraph confuses Major with Colonel Higginson. Though the text of the comic section is really funny, the illustrations here and elsewhere in the *Institute* seem most to need strengthening. There is every reason why Tech should produce cartoons superior to the best work of the best college comic papers, such as the *Lampoon*. The really charming little pictures on pages 114 and 117 make too noticeable the crudity of that on page 107.

Hydraulic Measurements.

The first examination in Hydraulic Measurements will be held on Saturday, December 17, at 2 P. M., in Room 20, Engineering A.

DWIGHT PORTER.

The Institute libraries contain 67,000 volumes and 18,000 pamphlets, while 10,000 periodicals are received regularly. Besides a general library there are 12 special libraries containing works of great technical value.

We have just received notice of the death at College Station, Texas, on November 20, of William Chaille Martin, '03, V.

Every effort is being made to have *Technique's* Tech Calendar out next week.

COES & YOUNG

20 SCHOOL STREET, BOSTON

DOUBLE SOLED OXFORDS FOR FALL

and Winter Wear

MEADOWBROOK RESTAURANT

24-26 HUNTINGTON AVENUE

Huntington Chambers Building, near Copley Square.

KEEPS!

SPECIALISTS in SHIRTS to order, as well as all Men's Wear, such as Hosiery, Underwear, Tailor-made Suits, Rain Coats, etc., all at popular prices.

Laundry Called for and Delivered

KEEP MFG. CO.

Makers of Keep's Shirts

156 TREMONT STREET

WOODLAND PARK HOTEL

AUBURNDALE, MASS.

45 minutes by electrics from M. I. T.

Rooms singly or en suite, with or without private baths.

Tennis, Golf, Canoeing; Superb Grounds and Admirable Cuisine.

Banquets and Dinners a Specialty.

An ideal stopping place for visitors to M.I.T.

FREDERICK WILKEY, Proprietor.

Send for Illustrated Booklet.

Style 176
TAN STORM OX. WING TIP, DOUBLE SOLE, WITH LACINGS OR STRAPS, $4.00

College Shoes in great variety

WEAR THE
Walk-Over
SHOE
$3.50 AND $4.00
A. H. HOWE & SONS
170 TREMONT STREET, COR. MASON
BOSTON

Oak Grove Creamery Company,
DAIRY LUNCH ROOM.
445 BOYLSTON STREET, COR. BERKELEY

SANDWICHES OF ALL KINDS, SOUPS, TEA, COFFEE, AND REGULAR DAIRY LUNCH

Our menu consists of a careful selection of the most appetizing and seasonable viands the market affords. Our unique combination breakfast plan is proving a most popular feature.

$5.50 Check for $5.00. Pure Milk and Cream.
NELSON L. MARTIN, Treasurer.

STONE & WEBSTER
Electrical Experts and Engineers
84 STATE ST., BOSTON, MASS.

GARRISON HALL
GARRISON and ST. BOTOLPH STREETS
AMERICAN AND EUROPEAN PLANS
—CUISINE THE BEST—
SPECIAL LOW RATES TO STUDENTS ON APPLICATION
GEORGE R. HOWARD

THE POPULAR PLACE TO TRADE
The Students' Drug Store
Under Copley Square Hotel
51 HUNTINGTON AVENUE
E. G. BOSSOM, PROPRIETOR
We carry a full line of Drug Store Goods

LANDERS'
Lunch and Coffee House
SPECIAL ROOM FOR LADIES
25 Years' Experience
20 Huntington Avenue, near Copley Sq.
BACK BAY, BOSTON

A new, finely-appointed room for ladies fitted up with very latest improvements, with our usual first-class service. New room is in rear.

We take pleasure in catering to our Tech patrons, and hope for a continuance of their trade.

CITY TRUST CO.
40 STATE STREET.
Capital and Surplus - - $2,000,000

PHILIP STOCKTON, President.
C. F. ADAMS, 2d, Vice-President.
GEORGE W. GRANT, Treasurer.
GEORGE S. MUMFORD, Secretary.
H. S. GREW, 2d, Asst.-Treasurer.
Your Deposit Account is Invited.

$5.50 FOR $5.00
We have inaugurated a commutation meal ticket especially for STUDENTS
TRINITY COURT Petit Lunch 2 STUART STREET
REGULAR MEALS 20 c. and 25 c.
Table d'Hote for 35c.
Served from 5.30 to 8 p.m.

CALENDAR.

FRIDAY, DECEMBER 9.

1.00 P.M. Hockey Association Meeting in 11 Rogers.

SATURDAY, DECEMBER 10.

1.00 P.M. Chess Club Meeting in 11 Rogers.

2.00 P. M. C. E. Society Excursion through East Boston Tunnel. Meet at the Old State House.

2.00 P.M. Chess Tournament Games at Tech Union.

2.00 P.M. Basket Ball at Andover. Second Team *vs.* Andover.

2.30 P.M. Basket Ball at Gym. Practice game with M. A. H. S.

Hockey.

There will be an important meeting of the Hockey Association in Room 11 Rogers, at one o'clock, Friday, December 9. All interested in hockey should attend.

Members of the Civil Engineering Society will make an excursion through the East Boston Tunnel, Saturday, December 10. All wishing to go, will meet in the Old State House at the corner of Washington and State Streets at 2 P.M.

There will be a meeting of the Chess Club in Room 11 Rogers, Saturday at 1 o'clock. All members and those interested in chess are requested to attend. Tournament games will be played at the Union at 2 o'clock.

S. P. NEWTON, '06,
Secretary.

Theatre Attractions

BOSTON MUSIC HALL.—Vaudeville.
CASTLE SQ.—"The Cavalier."
COLONIAL.—Mme. Schumann Heink in "Love's Lottery."
GLOBE.—"The Ninety and Nine."
HOLLIS.—E. H. Sothern and Julia Marlowe, Second week, "Much Ado About Nothing."
MAJESTIC.—Bertha Galland in "Dorothy Vernon of Haddon Hall."
PARK.—Amelia Bingham in "The Climbers."
TREMONT.—"The Yankee Consul."

HERRICK TICKETS ALL THEATRES
Copley Square
Telephone
2329, 2330 and 2331 Back Bay

COLLEGE REGALS.

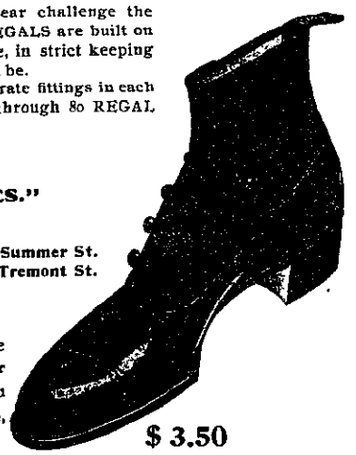
The special REGAL styles for College wear challenge the admiration of the entire student body. These REGALS are built on bold, strong lines, snappy and up to the minute, in strict keeping with the college man's idea of what a shoe should be.

REGALS are made in quarter sizes, 288 separate fittings in each style. Sold direct from tannery to consumer through 80 REGAL stores.

REGAL,
"THE SHOE THAT PROVES."

BOSTON STORES:
113 Summer St. 109 Summer St.
248 Washington and 71 Devonshire Sts. 169 Tremont St.

"THE PROM." This patent button style represents the highest art in shoe craft for Fall and Winter. Heyl's Patent Calf; high military heel. Same in button Blucher style, with flat-iron extension soles.



$ 3.50

A. S. ADAMS
Maker of the Official
M.I.T. Pin
106 Tremont St., Boston

Tupper's Restaurant and Lunch
ALWAYS OPEN
Cor. Columbus Ave. and Yarmouth St., Boston

C. F. HOVEY & CO.
Men's Furnishing Goods.
Custom Made Shirts a Specialty.
33 Summer Street
42 Avon Street
BOSTON.

CAMPBELL CATERING COMPANY
408 and 410 Boylston St.
LUNCH COUNTER, RESTAURANT and FANCY BAKERY,
Ice Cream, Soda, Etc.
Table d'Hote and a la Carte Dinners a Specialty.
Long Distance Telephone 21740 Back Bay.

The Berkeley Hotel
BERKELEY AND BOYLSTON STREETS
European and American Plans
Modern in Every Detail
Restaurant à la Carte Dining Room table d'hote
Gentlemen's Cafe and Billiard Room
Entrance on Berkeley St.
JOHN A. SHERLOCK